



THE UNITED STATES PATENT AND TRADEMARK OFFICE
Group Art Unit 2856

IFW
Receipt

In re

Patent Application of

Matthias Illing, et al.

Serial No. 10/567,485

Filed: February 7, 2006

Confirmation No. 8675

"METHOD FOR CONTROLLING AN AIR
CIRCULATION PART AND/OR AN AIR SUPPLY
PART IN A PASSENGER CELL"

I, Sharon A. Johnson, hereby certify that this correspondence is being deposited with the US Postal Service as first class mail in an envelope addressed to Attention: Office of the Initial Patent Examination's Filing Receipt Corrections, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date of my signature.

Sharon A. Johnson

Signature

10/25/06

Date of Signature

CORRECTION TO FILING RECEIPT

Commissioner for Patents
Attention: Office of the Initial Patent Examination's
Filing Receipt Corrections
P.O. Box 1450
Alexandria, VA 22313-1450
Sir:

Attached is a copy of the filing receipt showing the change to be made to the Domestic Priority data as claimed by applicant section:

Under **Domestic Priority data as claimed by applicant**

please change the following:

This application is a 371 of PCT/DE04/01290 09/07/2003
should be

This application is a 371 of PCT/DE04/01290 06/19/2004

Applicant respectfully requests this correction.

Attached is a copy of the first page of International Application WO 2005/014318 and our 371 transmittal letter, which both show the correct priority information.

If any fee is required to effect these corrections, please charge Deposit Account No. 13-3080 in the amount of the required fee.

Respectfully submitted,

David R. Price

David R. Price
Reg. No. 31,557

Docket No. 081276-1071-00

Michael Best & Friedrich LLP
100 East Wisconsin Avenue, Suite 3300
Milwaukee, WI 53202
414.271.6560



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/567,485	02/07/2006	2856	900	081276-1071-00	2	20	2

CONFIRMATION NO. 8675

23409
MICHAEL BEST & FRIEDRICH, LLP
100 E WISCONSIN AVENUE
MILWAUKEE, WI 53202

FILING RECEIPT



OC000000019476859

Date Mailed: 07/14/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Matthias Illing, Kusterdingen, GERMANY;
Michael Arndt, Reutlingen, GERMANY;
Gerd Lorenz, Reutlingen, GERMANY;
Daniela Winkler, Munich, GERMANY;

Power of Attorney: The patent practitioners associated with Customer Number 23409.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/DE04/01290 09/07/2003

06/19/2004

Foreign Applications

GERMANY 103 37 750.6 08/07/2003

If Required, Foreign Filing License Granted: 07/03/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/567,485**

Projected Publication Date: 10/12/2006

Non-Publication Request: No

Early Publication Request: No

CSL

Title

Method for controlling an air circulation part and/or an air supply part in a passenger cell

Preliminary Class

073

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof

unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

(12) NACH DEM VERTRAG ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES
PATENTWESENS (PCT) VERÖFFENTLICHTE INTERNATIONALE ANMELDUNG

(19) Weltorganisation für geistiges Eigentum
Internationales Büro



(43) Internationales Veröffentlichungsdatum
17. Februar 2005 (17.02.2005)

PCT

(10) Internationale Veröffentlichungsnummer
WO 2005/014318 A1

(51) Internationale Patentklassifikation⁷: B60H 3/00, 1/00, G01N 21/35

(21) Internationales Aktenzeichen: PCT/DE2004/001290

(22) Internationales Anmeldedatum:
19. Juni 2004 (19.06.2004)

(25) Einreichungssprache: Deutsch

(26) Veröffentlichungssprache: Deutsch

(30) Angaben zur Priorität:
103 37 750.6 7. August 2003 (07.08.2003) DE

(71) Anmelder (für alle Bestimmungsstaaten mit Ausnahme von
US): ROBERT BOSCH GMBH [DE/DE]; Postfach 30 02
20, 70442 Stuttgart (DE).

(72) Erfinder; und

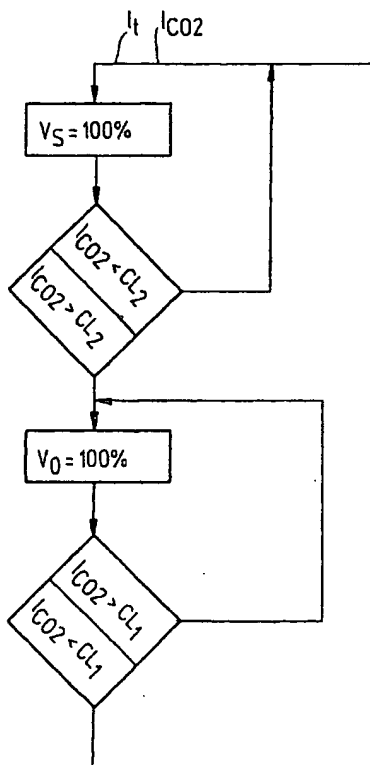
(75) Erfinder/Anmelder (nur für US): ARNDT, Michael
[DE/DE]; Memminger Strasse 53, 72762 Reutlingen
(DE). LORENZ, Gerd [DE/DE]; Eichendorffstrasse 11,
72762 Reutlingen (DE). WINKLER, Daniela [DE/DE];
Karl-Rehm-Strasse 5, 72805 lichtenstein-Unterhausen
(DE).

(81) Bestimmungsstaaten (soweit nicht anders angegeben, für
jede verfügbare nationale Schutzrechtsart): AE, AG, AL,
AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

[Fortsetzung auf der nächsten Seite]

(54) Title: METHOD FOR CONTROLLING AN AIR CIRCULATION PART AND/OR AN AIR SUPPLY PART IN A PASSENGER CELL

(54) Bezeichnung: VERFAHREN ZUR REGELUNG EINES UMLUFT- UND/ODER ZULUFTANTEILS IN EINER FAHRGASTZELLE



(57) Abstract: The invention relates to a method for controlling an air circulation part and/or an air supply part ($V_{SB} > S < /SB >, V_0$) in a passenger cell of a vehicle, especially a motor vehicle. Said parts comprise a sensor which is used to detect a concentration of pollutant gas in a passenger cell and to supply a control signal (I_{co2}) to a control device for the air circulation part and/or air supply part ($V_{SB} > S < /SB >, V_0$) in the passenger cell. A temperature compensated sensor is provided in order to detect the concentration of pollutant gas such that a passenger cell which meets people's needs and which has a supply of air optimised in relation to energy consumption can be obtained. The sensor which is used to detect ambient temperature and the sensor which is used to detect the pollutant gas concentration signal ($I_1, I_{SB} > CO2 < /SB >$) are provided in order to control a control device for the air circulation part and/or air supply part ($V_{SB} > S < /SB >, V_0$). The control device controls either the variables of the circulation air part ($V_{SB} > S < /SB >$) in the passenger cell or switches from complete air circulation to complete air supply and vice-versa.

(57) Zusammenfassung: Die Erfindung betrifft ein Verfahren zur Regelung eines Umluft- und/oder Zuluftanteils (V_S, V_0) in einer Fahrgastzelle eines Fahrzeugs, insbesondere eines Kraftfahrzeugs, mit einem Sensor zur Erfassung von Schadgaskonzentrationen in der Fahrgastzelle und zur Bereitstellung eines Ansteuersignals (I_{co2}) einer Steuereinrichtung für den Umluft- und/oder Zuluftanteil (V_S, V_0) in der Fahrgastzelle. Um eine bedarfsgerechte und eine in Bezug auf den Energieverbrauch optimierte Luftversorgung einer Fahrgastzelle zu erzielen ist der Sensor zur Erfassung der Schadgaskonzentration ein temperaturkompensierter Sensor, wobei der Sensor zur Erfassung der Umgebungstemperatur zusammen mit dem Sensor zur Erfassung der Schadgaskonzentration Signale (I_1, I_{co2}) zur Ansteuerung einer Steuereinrichtung für den Umluft- und/oder Zuluftanteil (V_S, V_0) bereitstellen. Die Steuereinrichtung steuert entweder die Größe des Umluftanteils (V_S) in der Fahrgastzelle oder schaltet von vollständigem Umluftbetrieb auf vollständigen Zuluftbetrieb um, und umgekehrt.

WO 2005/014318 A1



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

RO, SE, SI, SK, TR), OAPI (BI, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(84) **Bestimmungsstaaten** (soweit nicht anders angegeben, für jede verfügbare regionale Schutzrechtsart): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), eurasisches (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), europäisches (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT,

Veröffentlicht:

— mit internationalem Recherchenbericht

Zur Erklärung der Zweibuchstaben-Codes und der anderen Abkürzungen wird auf die Erklärungen ("Guidance Notes on Codes and Abbreviations") am Anfang jeder regulären Ausgabe der PCT-Gazette verwiesen.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 081276-1071-00
		U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
INTERNATIONAL APPLICATION NO. PCT/DE2004/001290	INTERNATIONAL FILING DATE 19 June 2004	PRIORITY DATE CLAIMED 07 August 2003
TITLE OF INVENTION METHOD FOR CONTROLLING AN AIR CIRCULATION PART AND/OR AN AIR SUPPLY PART IN A PASSENGER CELL		
APPLICANT(S) FOR DO/EO/US Matthias Illing, Michael Arndt, Gerd Lorenz and Daniela Winkler		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<div style="margin-top: 10px;"><div>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</div><div>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</div><div>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</div><div>4. <input type="checkbox"/> The US has been elected (Article 31).</div><div>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<div style="margin-left: 20px;"><div>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</div><div>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</div><div>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</div></div></div><div>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<div style="margin-left: 20px;"><div>a. <input checked="" type="checkbox"/> is attached hereto.</div><div>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</div></div></div><div>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<div style="margin-left: 20px;"><div>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</div><div>b. <input type="checkbox"/> have been communicated by the International Bureau.</div><div>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</div><div>d. <input type="checkbox"/> have not been made and will not be made.</div></div></div><div>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</div><div>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</div><div>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</div></div> <div style="margin-top: 10px;">Items 11 to 20 below concern document(s) or information included:</div> <div><div>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. (refs. communicated by IB) Courtesy copy of refs. attached.</div><div>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</div><div>13. <input checked="" type="checkbox"/> A preliminary amendment.</div><div>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</div><div>15. <input type="checkbox"/> A substitute specification.</div><div>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</div><div>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</div><div>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</div><div>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</div></div>		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO. PCT/DE2004/001290		ATTORNEY'S DOCKET NUMBER 081276-1071-00	
20. Other items or information: Return Receipt Postcard					
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0				\$ 200.00	
All other situations..... \$200					
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))					
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100				\$ 400.00	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 *					
All other situations..... \$500					
TOTAL OF 21, 22 and 23 = * Copy of Int'l Search Report Attached				900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	20 - 20 =	0	x \$ 50	\$	
Independent claims	2 - 3 =	0	x \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 900.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$ 900.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$ 900.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$ 900.00	
				Amount to be refunded:	\$
				Amount to be charged	\$

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

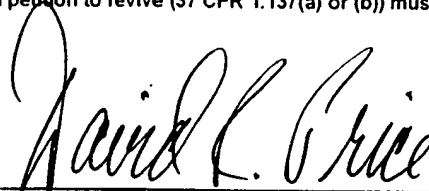
- a. ☒ A check in the amount of \$ 900.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-3080 A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

CUSTOMER NO. 23409

SEND ALL CORRESPONDENCE TO:

David R. Price
Michael Best & Friedrich LLP
100 East Wisconsin Avenue, Suite 3300
Milwaukee, WI 53202



SIGNATURE

David R. Price

NAME

31,557

REGISTRATION NUMBER

EV635794695US

Express Mail Label No. EV635794695US

I hereby certify that this paper or fee is being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date of my signature and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313.

Sharon A. Johnson
Sharon A. Johnson

07 February 2006
Date